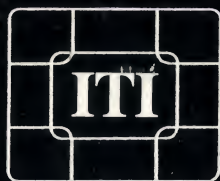


SERIES 800 GRAPHIC TERMINALS



Integrated Terminals Incorporated

Cost Effective Terminals to Improve Productivity

Colorful, graphic video display terminals convey data and information in a clearer easier to understand manner than printed reports or standard non-graphic, black and white video terminals.

The addition of color, combined with graphic capabilities improves readability of displays and provides distinctions on the displays that were previously hard to distinguish.

More efficient displaying of data can result in increased productivity as well as improved and faster interpretation of data and information.



ITI ... the Innovator in Cost Effective Terminals

Integrated Terminals Incorporated (ITI) developed the 800 Series of graphic terminals to address the requirement for improved displaying of information for a number of industries including financial, process control, power management, medicine, security, marketing and management.

The ITI 800 Series utilizes a compact, high resolution video terminal having excellent graphics capability. This is offered at a price significantly more attractive than other terminals having fewer features.

High Reliability

A major design criteria for the ITI 800 Series of graphics terminals was high reliability, both structurally and electronically. Through the use of computer-aided testing of the digital logic circuits and a comprehensive "burn-in" cycle, reliability of the ITI terminals far exceeds similar terminals.

Easy to Read Displays

To ensure readability and clarity, ITI uses a 5 x 7 matrix for alpha-numeric characters and an 8 x 10 matrix for graphic characters. The displays produced on ITI terminals are among the sharpest in the industry.

Easy Cursor Movement

Through program control the cursor can be moved to and from any point on the screen through simple commands. The cursor can be moved up, down, left and right at any time. It can also be programmed to return to the beginning of a line, the start of a new line or to the home (upper left corner) position of the screen.

The cursor can be displayed as a visible, or invisible red blinking character, depending on the application.

The ITI cursor is addressable and readable by setting the x y coordinates and transmitting the cursor coordinates, character and color status.

Vibrant Color Capabilities

In addition to sharp character generation, ITI terminals display images utilizing the following colors:

Red	Green	Magenta	Black
Blue	Yellow	Cyan	White

The user has full control over selection of the colors for both foreground (characters and symbols) and background. These colors are displayed in brighter, sharper hues than other, more expensive terminals.



Vector Graphics Capabilities

ITI Series 800 graphics terminals utilize vector graphics to permit programmers to create virtually any desired video display. By indicating point coordinates, the programmer can create color graphics of significant complexity.

On the 24-line ITI terminals there are 15,360 individually addressable points in a 160 x 96 matrix. On the 48 line ITI terminal, there are 30,720 individually addressable points in a 160 x 192 matrix. Both of these are on a 12" diagonal video terminal screen.

ITI provides a graphics set of 64 characters. However, the user may define up to 128 graphic characters to fit additional requirements.

Full Communications Capability

ITI terminals are ideal for use in a remote communications environment with a host computer. By utilizing either an RS 232C serial interface for remote operation, or current loop within 2,000 feet of the computer, ITI terminals provide the maximum in communications capabilities.

A wide variety of baud rates are available and are program selectable including the following:

110	300	2,400	9,600
150	1,200	4,800	

Stop bits and parity are also program selectable.

Paging or Scrolling Movements

Depending on the application, the user may select to have material scroll off the top of the screen display as new material is added to the bottom or to have the cursor move to the "Home" position after the page is filled.

Visual and Audible Alerts

Through utilization of the ITI audible and visual alarms through program control, the user may expand the various applications of the terminal. In addition to the "audible" beep which can be sounded either singly or in a series, the user can have characters and symbols on the display blink or flash depending on program controlled situations.

These alarms are very beneficial in alerting operators, such as computer room or operations personnel, of impending situations which need immediate attention.

Data Transmission

The contents of the ITI terminal screen may be transmitted from the cursor position to the end of the screen with program control.

Eliminates Special Handlers and Complex Drivers

ITI terminals utilize ASCII standard commands over the RS-232C serial interface line which greatly simplifies programming. This also requires no special handlers or complex drivers in the application programs. ITI terminals are compatible with many other terminal systems in use today including: ISC 8001, ADAM3A, Data General and TTY as well as others using similar interface disciplines.

Erasing of Display

Adding to the flexibility of the ITI terminals, the user has the ability to erase material from the screen by character, line or page.

Self Test

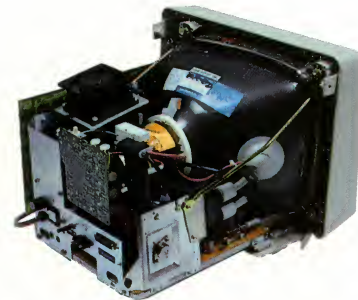
A self test procedure is initiated automatically after "Power On" and provides an indication if there is an error in the digital logic board. If not, the terminal will give an indication that the self test is complete.

Quality Control... Assured at ITI

Each ITI terminal is subjected to extensive testing, quality control, and use prior to being sent to the customer. Circuit boards are subjected to a 48-hour burn-in period prior to installation to ensure high reliability and operation. If a problem appears, the board is repaired and once again subjected to the complete burn-in.

All other components used in the construction of the ITI terminals are subjected to quality control checks prior to entering the manufacture and assembly process.

Each terminal is specially reinforced with support bars and terminal housings which are unique to the industry. ITI also performs a seven-day simulated use of the terminal which includes writing to and reading from the terminal.



Power is fully cycled to each terminal to simulate normal on/off conditions during this seven-day period. If any terminal fails any phase of this test, it is checked, repaired and then subjected to the test again. It must successfully pass the test before being sent to a customer.

Through each step of the manufacturing and assembly process, Integrated Terminals Incorporated takes extensive steps to assure the quality of each terminal sent to each customer.

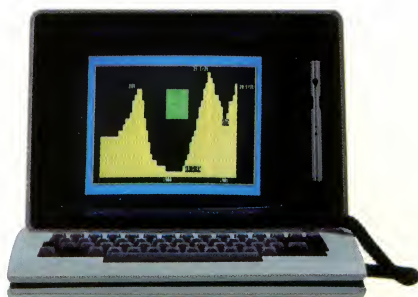
ITI stands behind its products on all conditions excepting those involving abuse and inappropriate treatment by the user.

SOME ITI SERIES 800 APPLICATIONS

Financial and Administration

Colorful graphs and charts can convey financial data faster and more meaningfully than long tables.

Large amounts of data can be comprehended easier in color graphic form. Trends are easier to detect in graph form than in a tabular format.



Medical

Through the use of color and graphics available on the ITI terminals, hospital personnel can inquire as to patient status, housekeeping, drug and treatment schedules, and other functions. Various conditions can be color coded, e.g. red portions of the screen are critical, flashing information is high priority, etc. Hospital floor plans can be shown on the screen indicating environmental factors, occupancy, and housekeeping functions. The optional ITI light pen can be used for menu selection on the terminals.



Building Management

By displaying floor plans on the ITI terminals, color coded by status, building maintenance personnel can quickly detect potential situations in the building environments. Power abnormalities, elevator failures, fire alarms and security alerts can be displayed quickly. Audible alerts and flashing characters can be used to draw attention to the highlighted areas of the screen.

Power Management

Companies can now use ITI terminals to display their power systems, including their uninterruptible power supply, and generators to detect any problems or situations which need attention by maintenance. Visual and audible alerts can also be utilized.

For More Information Complete Card Below and Mail.

Please send me additional information on the ITI Series 800 Graphic Terminals from Integrated Terminals Incorporated.

Name _____

Title _____

Company _____

Address _____

State/Country _____

Zip Code _____

Telephone _____

To help respond to your request please answer the following:

Industry _____

Computer _____

Application _____

Requirement:

- ☐ Immediate
☐ 3-6 Months

- ☐ 6-12 Months
☐ Long Term

☐ Please have an ITI representative contact me immediately.

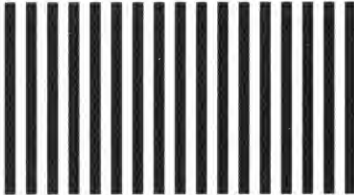
OPTIONS

Detachable Keyboard

The keyboard on the ITI 800 terminal is a standard full ASCII keyboard with both upper and lower case characters. The keyboard is optional and detachable.

Light Pen

As a standard option, ITI terminals can be equipped with an optional light pen. This can be very useful in selecting functions or data to be entered which are presented in a menu fashion. This can greatly expand certain applications, such as patient status in hospitals, or claimant data in insurance claim processing.



Postage Will Be Paid By

INTEGRATED TERMINALS INCORPORATED
P.O. Box 1184
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Addison, Texas 75001

ITI SERIES 800 GRAPHICS VIDEO TERMINAL SPECIFICATIONS

KEY FEATURES

- 80 Columns x 24 lines, or
- 80 Columns x 48 lines
- Vector Graphics:
 - 160 x 96 Addressable, Displayable Points on Series 801 Terminals
 - 160 x 192 Addressable, Displayable Points on Series 802 Terminals
- High Resolution Color Cathode Ray Tube
- Foreground/Background Colors
- Standard and User-defined Graphic Character Set (128 character maximum)
- Programmable for interfacing with various systems
- Transmission speeds up to 9600 bits per second (bps)
- Communications interfaces: RS-232C and current loop.
- Keyboard interface: Parallel TTL Interface, seven data lines plus strobe.
- Single Digital Logic Board

OPTIONS

- Light pen
- Detachable Full ASCII Keyboard

PHYSICAL SPECIFICATIONS

Power:	120 Volts AC, 60 Hz (± 10%)		
	220 Volts AC, 50 Hz (± 10%)		
	120 Watts		
Weight:	With Standard Keyboard		
	30 pounds (13.6kg)		
	Without Standard Keyboard		
Size:	25 pounds (11.3kg)		
	Height	12 inches	30.4 cm
	Width	15 inches	38.1 cm
	Depth	16 inches	40.6 cm

ENVIRONMENTAL REQUIREMENTS

Operating	
Temperature:	32° to 104°F (0°C to 40°C)
Humidity:	10-90% non-condensing
Altitude:	0-10,000 feet (0-3,200 meters)

"Terminals Today For Tomorrow's Needs"



Integrated Terminals Incorporated

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Specifications contained herein are subject to change
without notice.